

STUDENT GOES TO ARCTIC CIRCLE AS RADIO OPERATOR

Spends Three Months as Mem-
ber of McMillan Expedition
To Far North

STORM DRIVEN FOUR DAYS

Kenneth M. Gold '29 Relates
His Experiences Aboard
Schooner "Radio"

"I woke up with water pouring into my bunk and all over the radio set, and with a feeling that somewhat resembled seasickness," begins the three months' diary of Kenneth M. Gold '29 of Course V, who shipped as radio operator on the schooner "Radio" of the McMillan Arctic expedition that left for the frozen circle in the early part of last summer. This brief opening sentence, written in a flooded cabin, gives one a good idea of the feelings of the tyro navigator in his first day out at sea June 25 off Wiscasset, Maine.

On the 110 foot schooner that carried supplies for the members of the expedition, Gold, who was selected from a large number of applicants for the radio operator's job on the ship, found himself thrown in with an amiable 28-year-old captain, a mate of corpulent proportions, a mixed crew of seamen, and the sons of three Chicago millionaires who sponsored the voyage through the Chicago Field Museum of Natural History. The "Radio" carried a year and a half's provisions for the members of the "Bowdoin," now up in the Arctic region seeking natural history specimens. The "Bowdoin" is not expected back before September of next year.

With rough water to greet the start of the expedition, the Radio, Bowdoin and Seeko, a thirty-foot motor boat, left Wiscasset on June 25 as scheduled, all headed for Dark Harbor, Me., for a final send-off. The supply schooner Radio, finding the seas too rough, anchored at Boothbay Harbor, where in taking stock of the first day's "casualties," the radio operator discovered that "the set of batteries which were to run the radio and which had not been thoroughly fastened down by the engineer, fell from the shelves when the ship heaved over in a big tide-rip, two cells breaking, all of them spilling acid and short-circuiting, and nearly causing a fire in the engine room." "We were forced to repair to Rockland, Me.," he continues, "to have the batteries fixed, but since we could spend only a few hours there the batteries were merely refilled, and the broken cells remained broken and leaking." This was only the first day's disaster.

The story of the three months' trip, from the day the Radio shoved off from the Wiscasset dock amid plaudits to the day it dropped anchor off Gloucester September 15, reads like a Conrad tale with all its salty tang and vigor of life on the high seas. The boat with its skeleton crew of ten men covered in the short space of time thirty-three hundred miles at an average speed of six miles an hour, many times being forced to heave to for repairs, while being buffeted by tempestuous seas. The Radio, a Boston fisherman schooner, although a sail boat, used its 120 horsepower semi-Diesel engine practically through the entire voyage.

Pushing through heavy seas and driving rain storms for four days and four nights, the battered boat finally

Beside Still Waters—
Student's Arctic Home



Schooner "Radio"

Will Send Winter Season Schedule To Boston Alumni

Graduates Asked to Buy Sea-
son Tickets Which Are
Sent With Schedules

Season tickets and schedules for all the Varsity and freshman athletic contests at Technology during the fall and winter season will be sent to all the alumni living in the neighborhood of Boston by the end of this week. The season tickets, if desired, may be purchased at a cost of \$5.00.

This year the M. I. T. A. A. is making a special effort to increase the attendance both of the undergraduates and alumni at games. Heretofore this has been so poor that the opposing team often has had a larger number of supporters present than Technology at games played at the Institute.

By sending out season tickets and schedules in advance, the Athletic Association plans to rouse the interest of alumni and to give them sufficiently long notice of all the games to enable them to attend. It is hoped that the student body, and especially the fraternities and dormitories, will turn out in large bodies to back the Institute games.

It is being planned this year to have Varsity cheer leaders to organize the support of the teams. These men will probably be chosen from among those who serve as cheer leaders on Field Day, and will be given a chance to earn their numerals.

TAU BETA PI HOLDS ANNUAL CONVENTION

Yesterday morning, at Columbus, Ohio, the annual convention of Tau Beta Pi, national honorary fraternity, was started. It will continue through today and tomorrow and will close tomorrow evening. John W. Chamberlain '28, who is representing the Institute chapter, left for Columbus on Wednesday morning.

Tau Beta Pi fraternity is one of the largest honorary fraternities in the country. To become one of its members a person must possess many sterling qualities. Primarily, the person must rate very high scholastically. In addition to this, however, two of the most important requisites are honesty and truthfulness. A good character, mentally and morally, is therefore required in gaining admission to this exclusive fraternity.

Each year a convention is held at some place where delegates from all the different chapters assemble together. Much of the time at these conventions is spent in discussing the different government systems as conducted at the various colleges and universities. Such topics as student government, honor systems, and school management are greatly discussed at the conventions.

ADVANCED R.O.T.C. TERMS EXPLAINED BY COLONEL CLOKE

Students Have Misunderstood
The Advanced Course
Requirements

MUST FILL 50 VACANCIES

Institute Formerly Filled 30
Percent of Quota For
New England

Some misunderstanding as to the qualifications necessary for enrollment in the Advanced Course of the R. O. T. C. has existed in the minds of some students who would like to enroll, and having come to the attention of Col. Harold E. Cloke, head of the Department of Military Science, it is thought that some explanation might serve to clear up the situation for these students.

As a general rule, it is required that a student shall be in the upper half of his class in scholastic standing, but if, in the opinion of the professor in charge of his Institute course, he will graduate from the Institute, he is then eligible to enroll.

During the past years Technology men have filled more than 30% of the quota for the entire New England Corps Area: last year 1,181 students, Technology had 365. Due to the fact that in the class of 1926 there were 210 men in the Advanced Course who graduated and received commissions in the Reserve Corps, a rather larger number of vacancies have existed than at any previous time, of which 50 have still to be filled.

The insistent demand of the other

(Continued on Page 4)

HOLD TRYOUTS FOR TECH SHOW CHORUS

Music and Lyric Writers Also
Meet Tomorrow Night

Chorus tryouts for new candidates for Tech Show will be held in North Hall, Walker, tomorrow and Wednesday nights at 7:30 o'clock, while chorus tryouts for the old men will be held Thursday night at the same time and place. It is not necessary for students to have signed up for the chorus previously to enter the tryouts.

Music and lyric writers will also hold their first meeting tomorrow at 7:30 o'clock when Charles Scranton, musical director of the show, will be present. It was emphatically stated at the Show office that no experience was necessary in starting this work. No date has so far been set for cast tryouts, but the time and place will be announced Wednesday.

Institute Vaults Are Considered Impregnable to All Safe-Crackers

Steel, Concrete, Trick Locks
And a Complete Burglar
Alarm System Used

Once Uncle Horace gets your money, try and get it back! That is, by the safe-cracking route. The Institute has one of the most elaborate burglar-proof vaults in any college in the country—one which is better than some bank vaults.

Four separate and independent barriers stand between the outsider and the comparatively small amount of cash which is stored in the Institute's vaults. The first of these is of course the doors to the offices of the bursar and the cashier. These are protected by special locks, using specially made keys. Blanks for these keys are unobtainable in the ordinary locksmith's shop, and thus duplication of watchmen's keys is prevented.

As a second line of defense, the Institute has its main vault located in the center of a corridor, the access to which is blocked at both ends by doors of steel and glass, which are completely wired for burglar alarm systems. Breaking the wired glass or forcing the door will immediately set off an alarm which will attract to the scene every watchman in the building, and also a wagon-load of Cambridge police.

Legitimate access to this corridor can be secured only by first shutting off the alarm by means of a switch

Shanghai Black Maria As Sigma Chi's Dance

Followed by the mysterious guardian black-hand which keeps paddy wagons within its clutches, the rejuvenated Black Maria, purchased by the Sigma Chi a few days ago, succumbed to shanghaiing Friday night and was subsequently discovered in the midst of the Cambridge dump Saturday afternoon in a state of physical fatigue. As yet no clues have been found but various institute cliques are under suspicion.

Thinking their pet chariot safely locked in the parking space in front of their house, the Sigma Chi became engrossed in their dancing, totally unsuspecting that their criminal conveyor was to be an entity of locomotion for a joy-ride. The get-away of the mauraders was fast and the owners of the vehicle did not miss it until several hours after it had been unsafely deposited in a section of Cambridge's undeveloped real estate.

T. E. N. FIRST ON SALE WEDNESDAY

Publication Delayed to Allow
Inclusion of Article by
President Stratton

Tech Engineering News will be a day late in getting to the stands, it was announced yesterday, since President Samuel W. Stratton wrote an introduction for the leading article, that on the Bureau of Standards, immediately after his arrival and printing was delayed to include it. President Stratton was himself head of the U. S. Bureau of Standards for some years before he assumed the presidency of Technology, and his introduction should therefore be of especial interest.

"The Technical Graduate and the Bureau of Standards" by Dr. George K. Burgess, its present head, is the leading article in the first issue of the school year.

It tells of the opportunities of the technical graduate in the Bureau. Arthur D. Little '85, has also written an article on the "Impending Changes in Our Use of Fuels." There are also several other articles on scientific subjects, and the usual departmental notes.

Elections to the journal have just been announced. They are as follows: To the Managing Board, Adam K. Stricker, Jr. '29, Editor; Howard Gardner '30, Associate Editor; George J. Meyers, Jr. '29, Publicity Manager. To the Editorial Board, Howard Robinson '30, News Editor.

LACK OF CALCIUM IN DIET OF RATS CAUSES STERILITY

Dr. Macomber Tells Chemists
Effects of Element
On Growth

FIRST MEETING OF YEAR

Du Pont Dye Expert Discusses
Change of Color of Dye
With Structure

Meeting under the auspices of the M. I. T. Student Chemical Society, the Northeastern section of the American Chemical Society opened its program of monthly meetings for the season in the Main Hall, Walker, Friday evening, when two outstanding experts in their respective fields disclosed the latest developments in the sciences of vat dyes and dietetics.

Dr. Donald Macomber, noted gynecologist of the Harvard Medical School, described recent experiments conducted to test the effect of calcium diet and other factors on growth and reproduction in animal life. Slides showing photos and X-rays of Albino rats which were fed a diet deficient in lime indicated a marked weakening of the bone structure and lessening of the fecundity of the female, as well as a great retardation in the development of the young.

Dr. Robert E. Rose, director of the technical laboratories of the DuPont Company, discussed the chemistry of organic dye systems, illustrating his talk with lantern slides showing the relation between changes in the complex atomic structure of the dyes to the corresponding color changes.

About 500 people attended this meeting, which was the first of a series of monthly meetings held at Technology by the A. C. S. to discuss various important problems connected with chemistry and chemical engineering. These meetings are held the second Friday of every month and are open to anyone interested in the science of chemistry.

BENCHMARK GOES TEN FEET INTO BEDROCK

Earth Movement To Be Studied
From Technology Mark

Finishing touches put on Technology's benchmark on Charles River Road consist of a protecting cover of 20-inch tile pipe and a cap such as is used over the openings to large water meters. This benchmark, which consists of a pipe filled with concrete, extends down through 110 feet of earth to the underlying bedrock and projects 10 feet into this rock so that it is securely anchored to the location and will not easily be affected by movements of the filled-in ground on which the Institute stands. In this respect it is the only point of its kind in Cambridge and from it the movements of other points such as the former mark on the corner of Harvard Bridge and that on the Armory can be determined.

At the time when the Technology benchmark was being constructed men from the United States Coast Survey were working in Boston and tied it up with their marks. It has also been connected with several railroad benchmarks and the marks of the city of Cambridge.

A. I. E. E. RELEASES PROBLEM SOLUTIONS

The first issue of problem solutions for subjects 6.01, 6.02, 6.03 and 6.04 will be released today. Problems will be available in the office of the Combined Professional Societies in Room 3-312 at 5 o'clock this afternoon and 10 o'clock Saturday morning. More signups are needed to insure the continuance of this policy. Those men who are interested should consult their class representative or apply at the office.

CALENDAR

Tuesday, October 18
5:00—Banjo Club Rehearsal, Room 2-190.
5:00—Glee Club Rehearsal, Room 10-250.
Wednesday, October 19
5:00—Instrumental Club Meeting in Faculty Dining Room, Walker.
5:00—Meeting of all freshman section leaders in Room 4-138.
9:00—Catholic Club Dance at Ct. Cecilia's Guild Hall.

Directory Proofs Are Posted for Correction

Proofs for the student directory were posted Friday morning in the Main Lobby, Building 3—Bulletin Board 3-170, and the Walker Memorial Bulletin Board, where they will remain until Oct. 22 for verification. Students who find any mistake in their listing are expected to note the necessary correction on slips provided for that purpose.

No corrections whatever are to be made on the proofs. The checking is proceeding rapidly, a number of corrections having been already reported. Publication of the directory in finished form will probably be complete before the end of November.

**A Record of
Continuous
News Service
for 46 years**



**Official News
Organ of the
Undergraduates
of M. I. T.**

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In charge of this issue:

WHERE ARE THE SOPHOMORES?

RULES can be made, but they are of no consequence unless enforced. When the freshman rules committee drew up the regulations that were to affect every 1931 man, they made seemingly adequate provisions for the enforcement of the few rules that they set down. As yet, one can not attack the proposed system of enforcing the rules, for the undergraduates have not lived up to their share of the bargain, which otherwise would have placed the judicial system in full operation.

Most of the freshmen have obeyed the simplest and easiest rule; to wear the cardinal and gray tie. Why shouldn't they want to wear it? As to the remaining rules, they have not as much as made an attempt to carry them out. The undergraduates are sitting back in their chairs surprised or perhaps amused once in a great while by a meek "Hello" from a freshman. It is surprising at the few freshmen that have been reported as offenders. The small number reported should indicate that the rules were a wonderful success and that all one could hear about the Institute buildings were shouts and cries of "Hello," and freshmen challenging undergraduates for not returning their greetings. As we all know the scenes are much different than those pictured. On the approach of freshmen, undergraduates pass by indifferent and aloof just as in the past when rules were unknown. Freshmen need to be taken care of; they are young and frail, and their judgment of student problems is that of a child. They can not realize how severely you may punish them when you lose your dignity and become angered.

These words are not intended to frighten the freshmen, for they have been at the Institute long enough to know better; however, they are directed toward the upperclassmen, with the Sophomore class underscored. It is supposed that you understand your share in the bargain. Are you going to let the Class of 1931 joke with you. Report every one of them. It is simple enough.

Charles River Basin Was Once Broad Waste of Useless Tidal Marsh Land

**Present Dam Built After Fifty
Years of Agitation By
Boston Public**

So long has the present Charles River Basin been taken as a matter of course by Technology students that seldom do they realize the fact that the river in its present condition is purely an artificial creation. It has really been little more than eighteen years since the Charles was only a narrow stream, polluted with sewage, and rising and falling with the tidal movements of the Atlantic Ocean.

Toward the end of last year Milam F. Tandy '28, carried on considerable research concerning the history of the basin, and submitted a resume of his study as his final report in E33. Much of the material in this story has been taken from Tandy's report.

Before the last glacial period the Charles was not in its present position, but flowed instead through Back Bay and South Boston, with its outlet in the Boston Harbor. Then through some one of Nature's mysterious changes, its course was diverted, and the stream was forced to cut the channel that it now follows. As it was a tidal estuary of the ocean, there was a constant change of surface level, the decided disadvantages of which are quite obvious. At high water it was simply a part of the sea, and at low tide became a useless mud flat, from whose surface rose disagreeable marsh gases.

Sewage was passed into the stream constantly, as the continual ebb and flow offered a simple means of disposal, and an extremely offensive expanse was thus created during low

tide. But not until 1859 did the Boston public become sufficiently incensed to order an investigation of the problem, hoping for an immediate solution.

By 1901 the legislature was ready to begin to take action. A committee made a three-year investigation, with the result that the Charles River Dam was soon begun, and at last completed in 1909. In order to care for the storm drainage that formerly flowed through brick sewers below the new basin level, a marginal conduit was constructed for the entire length of the Boston side of the river, emptying finally into the Boston Harbor.

An interesting scientific outcome of the construction of this conduit was brought to light by Tandy's investigation. When the brickwork on the conduit was being done, water-tight steel sheet-piling was driven on either side of the trench, forming a very satisfactory cofferdam to exclude from the trench all ground water from the basin nearby. This sheet-piling was not removed at the end of the work, but instead covered over with earth during the final fill.

In the period following the opening of the new conduit, it has been found that, throughout the region just behind the line of sheet-piling, all wooden piling in the foundations of buildings has begun a very noticeable decay, from the pile caps down part way into the ground. Tandy proved that the cofferdam had excluded a considerable part of the normal ground water that formerly flowed in from the Charles, and that in all the buildings there had taken place a serious decay from lack of water that would eventually make all such buildings totally unsafe and unfit for use.

AS WE SEE THE MOVIES

METROPOLITAN

Anniversary Week—the second of its kind—holds forth at the Metropolitan Theatre this week. The big Boston house is celebrating its own birthday with an elaborate stage show, said to be the biggest in months, and Richard Dix's new melodrama of the Far East, "Shanghai Bound." Two productions grace the stage—"Rubinstein Melodies," with the Grand Orchestra, the Metropolitan corps de ballet, and a tableau featuring Marguerite Ringo, operatic soprano, and other artists, visualize the overture, while a Jack Partington production, featuring, as usual, Gene Rodemich and the stage band, precedes the picture. "Dixieland" is the title of the revue, and its cast includes Joe Penner, lately the feature of the Greenwich Village Follies, and many other "names" of the musical comedy stage.

China, its internal warfare and strife, gunfire mingling with heart-throbs and sensationalism, forms the locale of the picture, "Shanghai Bound," declared by the Paramount organization to be the greatest vehicle ever given the handsome star. To say merely that China forms a good locale for a story is putting it mildly, for the world has been aroused by the havoc that has been wrought there by battling armies. Every newspaper reader is following the story of China, now in the making. With that idea in mind, "Shanghai Bound" is a most timely attraction. Edward S. ("Tex") O'Reilly, former member of the International Police Force at Shanghai, and late drillmaster of the Chinese Imperial Army, wrote the original story, one based almost entirely on fact. It was adapted to the screen by John Goodrich and Ray S. Harris.

Dix plays a captain of the Yangtze River steamer in the picture, and his efforts to take a cargo of American refugees down the river to Shanghai, and safety, form the skeleton of the plot. Miss Brian is the American girl Dix saves. "Shanghai Bound" is one of the best pictures which we have seen in Boston for months. It combines the acting of two talented stars in a real plot with plenty of action. It is one of the few pictures which Dix has played in a more serious role and he proves himself to be decidedly capable of it.

An Arthur Martel organ solo, an ink bottle comedy, and "Dixieland," featuring the world's pre-eminent saxophonist, Rudy Wiedoeft, complete the week's program.

FENWAY

Manned by officers so cruel that the crew runs away the first time they get into port, the Golden Bough, or more commonly the Blood Ship, is forced to buy a "Shanghai" crew to set sail again. Among the crew bought in San Francisco there is a young sailor in love with the captain's daughter, a preacher, and a hardened, middle-aged, mysterious seaman. The latter is a man who has spent 15 years in prison for a murder committed by the captain of the Blood Ship and the story of his revenge makes an unusually gripping photoplay.

"The Gingham Girl" deteriorates from a program which with its omission would be excellent. A preposterous story of the little country girl who baked such fine cookies and a city "sheik," entranced by her eyes, who finances a large cookie bakery plant for her. The country boy whom she loved but who went astray in the city until the end, when he returns to her with money enough to buy out her financier.

THE TECH BOOK LIST

JOHN PAUL JONES: MAN OF ACTION, by Phillips Russell. New York, Brentano's. \$5.00.

A little less than a year ago, the columns of THE TECH contained an editorial on the "new" biography, the purport of which may be summed up in this quotation: "To tear away the shimmering veil of romantic hero worship is a fine gesture in behalf of truth; but where truth is unnecessary and even positively undesirable, why overdo the matter?"

This criticism was made of several of the so-called "new" biographies, notably "Helen of Troy," "Galahad" and "Washington." Viewing in this light the new biography by Phillips Russell—that of John Paul Jones—we notice immediately that the evil of which we speak is conspicuous by its absence. In "John Paul Jones: Man of Action" we have the highest type of biographical literature.

The predominant note of this work is sympathy and restraint. It is the sympathy that arises from understanding, the sympathy of mind for mind, the sympathy which recognizes

in the admirable qualities of another, some approximation to the ideal, the sympathy unconditioned, that overlooks another's shortcomings. In short, it is a sympathy which is effectively yet not detrimentally restrained. Phillips Russell stands out vividly, in the field of biographical writers, as a man who is not carried away by emotional frenzy, nor personal opinions: a most commendable virtue.

So John Paul Jones is re-created for the interested reader. Once more this commander courageous sails the seas bringing victory after victory to the new-born States. Once again we see the gallant fights that made the United States a power on the seas, making possible the winning of the Revolutionary War. We get an intimate picture of this fastidious hero of the sea, whose outward sang froid completely masked the sensitive nature below.

While from a naval strategic standpoint, his life was a tremendous success for the flag under which he sailed; from his own viewpoint, his life was a colossal failure. The evidence as presented seems to point conclusively to the fact that his secret ambitions were never realized.

John Paul Jones is a character well worth knowing more about. Phillips Russell is a writer who knows how to portray the life in a vivid, human, often humorous, always sympathetic manner. "John Paul Jones: Man of Action" is the book. F. L. M.

Play Directory

STAGE
COLONIAL: "Vanities."—Isn't that enough.
COPY: "Murray Hill."—Best comedy in town.
HOLLIS: "Wooden Kimono."—Heartless thrills.
MAJESTIC: "Gentlemen Prefer Blondes."—Opens tonight.
PLYMOUTH: "Broadway."—Night club stuff.
REPERTORY: "Pleased to Meet You."—You will be pleased.
SHERBORN: "The Circus Princess."—A gorgeous show.
ST. JAMES: "Applesauce."—An old comedy success.
TREMONT: "Honeymoon Lane."—Best musical play in town.
WILBUR: "Crime."—But it is not a crime.
SCREEN
FENWAY: "The Blood Ship."—Reviewed in this issue.
METROPOLITAN: "Shanghai Bound."—Reviewed in this issue.
STATE: "What Price Glory."—What more can we say.

Statement of Ownership

Statement of the Ownership, Management, Circulation, etc., Required by the Act of Congress of August 24, 1912,

of THE TECH, published tri-weekly except college vacations at Cambridge, Mass., for October 1, 1927, State of Massachusetts, County of Middlesex.

Before me, Notary Public in and for the State and county aforesaid, personally appeared J. A. Parks, Jr., who, having been duly sworn according to law, deposes and says that he is the Business Manager of THE TECH and that the following is, to the best of his knowledge and belief, a true statement of the ownership, and management of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 443, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the General Manager, Editor, and Business Managers are: General Manager, P. E. Ruch; Editor, G. I. Chatfield; Business Manager, J. A. Parks, Jr.; all of Cambridge, Mass.

All equipment owned by THE TECH TRUST FUND, Cambridge, Mass., and rented by the Current Volume.

Officers: Mr. H. E. Lobdell, M. I. T., Cambridge, Mass.; Mr. Winward Prescott, M. I. T., Cambridge, Mass.; Mr. H. D. Peck, 99 State St., Boston, Mass.

3. That the above bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

4. That the two paragraphs, next above, giving the names of the owners, stockholders, and security holders contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements and embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustee, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is—(This information is required from the daily publications only.)

J. A. Parks, Jr., Business Manager.
Sworn to and subscribed before me this 15th day of October, 1927.

William Jackson, Notary Public. (My commission expires October 26, 1928.)

The Best Intercollegiate Dance Ever

FRIDAY EVENING, OCTOBER 21, 1927

Nine until Two

THE INMERIAL BALLROOM—HOTEL STATLER

Evening before the

Harvard-Dartmouth Football Game

CONTINUOUS MUSIC

Bert Lowe Himself and His Hotel Statler Orchestra

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DURING INTERMISSION

The Barbary Coast Band of Dartmouth

The Most Famous College Orchestra in America

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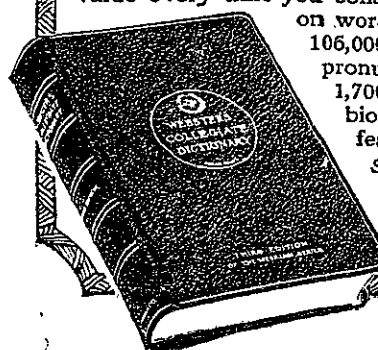
WEBSTER'S COLLEGIATE

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HUSKIES TROUNCE ENGINEERS IN SOCCER

Hardy, Brockelman and McCarthy Are Stars of First Handicap Meet

NORTHEASTERN PLAYS FAST GAME TO WIN, 5-0

Northeastern's huskies easily triumphed over Technology's soccer team by the one-sided score of 5 to 0. The huskies, led by Howard, who scored three goals, easily penetrated the Cardinal and Gray's defense by their baffling passing attack. Burton and Sampson scored the other two goals. On several corner kicks Technology's team came within an inch of scoring, but Northeastern was always on the watch. Venture, Sparre and Cooper played a good game.

First Period
At the opening kick Northeastern got hold of the ball and worked it down the field. One of the Cardinal and Gray backs got it away from the Northeastern men and worked it down to the other end of the field. This happened several times until one of the Engineers kicked the ball behind his own line. Burton kicked the corner and Howard neatly passed it through Sparre's hands for Northeastern's first score.

For a few minutes after this score it looked as if Technology was going to take the offensive as they worked the ball down the field time and time again. During this period the right side of the offensive did most of the work and Ventura came within an inch of scoring when he kicked the ball into the goal tender's hands. After this attempt at scoring, Northeastern got hold of the ball and worked it down the field. The ball changed hands several times until Burton managed to sneak a hot one into Sparre's hands. Sparre dropped it and Burton immediately kicked it through the goal for the second score of the period.

A few minutes later one of the Huskies kicked a ball behind their own goal line and Baroudi kicked a corner which hit one of the goal posts, but as luck would have it would not go in. A short time later Howard shot another one through the Huskies and that ended the scoring for the period. Throughout most of the period the ball was in Technology territory.

Second Period
Hess, a Northeastern man, was hit in the face early in the second period and was taken from the game because of a cut on his face. Foster was substituted for Hess. During the first five minutes of the period the ball kept changing hands and ran up and down the field several times. Soon after this, Howard scored his third and last goal after working the ball down the field. Immediately after this, Technology should have scored when they had a penalty kick. However, Mong kicked it right into the goal tender's hands and it was immediately kicked to the middle of the field. About five minutes later Sampson snapped a shot across the Technology goal. The ball hit the top of the goal post and bounced in just out of Capt. Sparre's reach. That ended the scoring and nothing of importance was done after this, the ball being worked up and down the field several times.

As a whole the Engineers played a good game as they were up against a group of experienced players, but they put up a good fight. It seemed as if they could not take advantage of the breaks, however, missing two chances

to score. Capt. Sparre played a good game and the right side of the offense worked well, but the left side and the defense is still weak and needs still more seasoning. Next week Technology plays Worcester Tech at Worcester.

Lineup	
Sparre (Capt.)	Melia
Hawkins	R.B. Bancroft
Riehl	L.B. McGoff
Bray	R.H.B. Forsberg
Cooper	C.H.B. Hess, Foster
Devorss	L.H.B. Foster
Baroudi	O.R. Burton
Ventura	I.R. Bernier
Sharabati	C.F. Howard (Capt.)
Mong	I.L. Sampson
Fahey	O.L. Tiffany
Final Score: Northeastern 5, M. I. T. 0.	

Varsity Swimming Schedule for 1928

- Jan. 7, Amherst at Amherst.
- Jan. 14, Worcester Tech at Worcester.
- Feb. 11, Columbia at New York.
- Feb. 17, Yale at New Haven.
- Feb. 18, West Point at West Point.
- Feb. 22, Boston University at Boston.
- Feb. 25, Brown at Providence.
- March 3, Wesleyan.
- March 10, N. E. Intercollegiate at Williams.

Harrier Outfits Chosen for Meets With Holy Cross

Varsity and Freshman Trials Held Last Saturday at Winchester

Pete Kirwin and his Cardinal and Gray harriers went through a stiff workout Saturday over the Winchester course, taking a run of six miles. Oscar Hedlund was pleased with the results and expects the men to be in good shape for the opening meet of the year which will be held on Saturday morning over the Harvard course at Cambridge. Holy Cross, the Institute's opponent has already had the benefit of competition, for her men tackled Harvard last Friday.

Seven men have been chosen to race against the Crusaders as the result of the trials held last week: Capt. Pete Kirwin, Leon Thorsen, Norm McClintock, Red Walsh, Chuck Worthen, Hal Dick, and Newell Mitchell. Several others will be allowed to run without number for the workout and they will not count in the scoring.

In a two and a half mile race over the Winchester course Saturday the freshman squad lived up to the fine things that have been said about it and if they continue their form will make a good showing against the Purple yearlings. Richard Balzer, who has been showing good form in practice was elected captain of the freshman cross country team. As a result of the race, Coach Hedlund has selected ten men to compete against Holy Cross on Saturday. Capt. Balzer, Semple, Murphy, McSheehy, Goodhand, Watson, Albright, McBrayne, Northrop, and Hallahan.

Sports Desk

Two of M. I. T.'s future opponents in cross country went down to defeat last Friday, Holy Cross taking the dust of Harvard to the tune of 19 to 38, while Tufts took second in a triangular meet with Boston University and Northeastern. Fitzpatrick of Holy Cross and Johnson of Tufts were the stars on their respective teams, each taking a second place.

MANY TURN OUT FOR FIRST TRACK MEET

Freshmen Show to Advantage On Cinders—Sophs Strong In Dash

Under perfect weather conditions the first handicap track meet was run off in fine style Saturday with a large number competing. J. A. McCarthy, Institute record holder in the javelin, got out a heave of 168 feet, Bernard Brockelman cleared 5 feet 10 inches in the high jump, and a freshman, Horsie Hardy ran wild and scored in four events for a total of seventeen points.

In the freshman 150 yard dash the yearlings looked good especially Orleman, who won, and Broder, who came up from scratch to take third place. However the Sophs showed that they are to be reckoned with on field day by taking four out of the five places in the Varsity dash. Henry Addison, a second year man broke the tape in this race.

Fred Ladd, who also placed in the dash, won the 400 yard run in the very good time of 47.2 seconds. Irvine Ross '30, won the 45 yard hurdles over Hardy and Celette. Howard Barrington took the laurels in the 70 yard low hurdles while Hardy turned the tables on Ross and nosed out the Sophomore for second place.

Horsie Hardy was the star in the field events, winning the shot with a heave of 39 feet 4 inches and taking second to Horton in the discus. Joe Brodsky, took second in the shot and third in the javelin. Miley Ziegler, with the aid of a seven inch handicap took first in the high jump, and J. A. McCarthy won the javelin.

- 150 yard dash (freshman)—Orleman, Persion, Broder, Mood, Walker. Time 15.3 sec.
- 150 yard dash (Varsity)—H. A. Addison, Barbour R., F. A. Ladd, Jr., R. J. Bowley, Edlund. Time 14.3 sec.
- 45 yard high hurdles—I. E. Ross, Hardy, Celette. Time 7 sec.
- 70 yard low hurdles—H. Barrington, Hardy, I. E. Ross, Celette, Lodge. Time 9.2 sec.
- 400 yard run—F. A. Ladd, Lodge, Gonzalez, Roberts, Terry. Time 47.2 sec.
- High jump—M. O. Ziegler, Brockelman, J. C. Steele, Sullivan, Costello. Height 6 ft. 1 in.
- Shot put—Hardy, J. Brodsky, Mintz, Martini, E. A. Riger. Distance 39 ft. 4 in.
- Javelin—J. A. McCarthy, Walker, J. Brodsky, Willcutt, Delorenzo. Distance 168 ft.
- Discus—C. Horton, Hardy, P. Martini, J. A. McCarthy, Roger. Distance 116 ft. 3 in.

SWIMMERS TO BEGIN WORK IN FEW WEEKS

Lose But One Regular From Last Year's Varsity Team

A mass meeting will be held within the next two weeks for all men interested in swimming so that practice at the University Club may start immediately following Field Day. The freshman schedule has already been made up and Manager Ray Underwood hopes to see all freshman swimmers turn out. There is also an opportunity for several good divers.

Russell Dean will be back on the job to coach the freshman and Varsity teams. The winter season has a bright outlook with the same Varsity team as last year with one exception. The veteran Johnson graduated last June, but as there is plenty of material from last year's frosh team to choose from the Varsity should be stronger than ever before.

Captain Grover is in fine form and is expected to carry off most of the honors. Torchio of last year's frosh team is a powerful swimmer and may take Johnson's place on the Varsity. He has a close competitor, however, in Jarosh, last year's frosh captain, who is expected to clean up in the 440-yard swim and in the backstroke.

TENNIS TOURNAMENT ENDS FIRST ROUND

Today is the last opportunity for men entered in the tennis tournament to play off their first round matches. The first round of the tournament was originally scheduled to be finished by Saturday, Oct. 15, but because of the large number of men who were unable to arrange their matches before that date the time was extended till today. Those who fail to play off their matches today, if they have not already done so, will be automatically defaulted.

The time limit for completing the second round, Oct. 21, has not been changed and all second round matches must be played off before that date under penalty of default.

FROSH ELEVEN DOWNED BY NEW BEDFORD TEAM

Playing their first game of the season Saturday afternoon the freshman football team gave a fairly creditable performance on Sargent Field at New Bedford, in a game with the vocational school. Although losing, the score of 22-0 does not truly show the type of game the frosh put up.

In the first quarter the New Bedford outfit started off with a smash. The initial score of the game came when Santos of the "Yokes" broke out for a touchdown putting the frosh in the hole for six counts. This seemed to open a habit for the Whalers of making a score each quarter. Working together a little better in the second period, the frosh line seemed to have their opponents buffaloed. Some of the pretty playing of the game was the way the yearlings squashed end runs. In fact, these were made an advantage for the frosh by the way Garrett, left end, was throwing the runners behind the line. Cruz, New Bedford's colored star, made the second score of the game toward the end of the half, and with the kick raised the tally to thirteen. The substitutes put in by Coach Silva braced the team to holding the others through the rest of the half and the whole next quarter. New Bedford's score in the third was a field goal by Santos.

Making the last period worth watching was the wonderful holding of the yearling line. Throughout the quarter the exchanging of kicks brought the ball to the frosh two-yard line. Holding the rush the frosh took the ball and just missed first down. The frosh again held the rush for three downs but missed on the last. A vertical pass, almost a freak, going straight up and down put the ball over the line to Cruz for New Bedford's final score. The game ended with a score of 22-0 for the Whalers.

Both the frosh line and the backfield played a fine game for the practice they have had. Ford, who did the kicking for the team, and has been getting a thirty-five yard average in practice, seemed off form, for he could not stand up to Santos, and

the punting gave the New Bedford outfit an advantage.

NEARLY TWO HUNDRED MEN OUT FOR CREWS

Sixty Frosh and Many Varsity Candidates Report Daily

With considerably more than a hundred and fifty men reporting daily to the boathouse for practice, Coach Haines is looking forward to the most successful year in the history of the sport at Technology. Beside this large number of candidates for the various crews, there are some fifty or more men who show up only spasmodically, and of whom he hopes to interest many sufficiently to get them out regularly for practice. Experienced varsity candidates and the best of the frosh and Sophomore Field Day crew candidates have been going out on the river in the shells in the mornings, while in the afternoons the beginners are taken out in the barge.

Varsity prospects for the coming season are excellent, with every member of the past season's varsity back except Dolben. Coach Haines has divided his veterans and the best of the varsity candidates into two crews, and will put the outfits against each other for some time, in order to get the best out of each man, regardless of whether he is a letterman or not. Time trials will probably not be held until next spring.

Field Day crew candidates include the majority of the men at the boathouse, among them being about sixty freshmen. The Sophomores hold the natural advantage of a year's work together, but the excellent material in the ranks of the frosh promises plenty of competition for the second year men. Final selection of the two crews will probably not be made until less than a week before the big race. In the meantime, many beginners continue to show up every week, and the facilities of the boathouse are taxed nearly to capacity.

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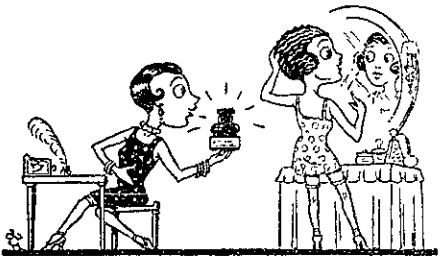
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(Continued from Page 1)

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CATHOLIC CLUB HEARS U. S. SENATOR WALSH

Talks on "Concentration Of Individual Activities"

Approximately 100 students were present at the first supper meeting of the Technology Catholic Club held in North Hall, Walker, on Friday evening at which the principal speaker was United States Senator David I. Walsh. The chaplain, Father Quinlan, also addressed the club, as did the president, James Cullen '28.

Senator Walsh gave a talk on the subject of "Concentration of One's Individual Activities." He stressed both the case of "too much play and not enough work" and its opposite, illustrating practically every point with stories of actual cases that have come before his attention. The Senator's talk was all the keener listened to because of the fact that he made a hurried trip from New York in order not to disappoint the club.

Following the talks of Senator Walsh, Father Quinlan, and James Cullen, an informal business meeting was held and plans for the coming year were discussed. It was announced that there would be an acquaintance dance with St. Cecilia's Club on Wednesday evening, but as yet no definite time has been fixed for the annual fall dance.

CATHOLIC CLUB DANCE

There will be a joint dance with St. Cecilia's College Catholic Club on Wednesday evening at St. Cecilia's Hall. All members of the club are invited to attend.

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Require Physical Exam For Field Day Teams

All candidates for the Field Day teams who have not yet had their physical examinations are urged to report to the Medical Department sometime this week, because anyone who has not will not be permitted to enter competition on Field Day. In fact, no one is allowed to enter any athletic competition at the Institute unless he has passed his physical examination.

Already 604 men out of a possible 1000 have been passed by the Department. This is a greater number than has been passed in any previous year up to this time.

ADVANCED R.O.T.C. NOT YET CLOSED

Military Science Department Will Take Applications Rest of Week

(Continued from Page 1)

colleges in the Corps Area for a larger allotment of students for the R. O. T. C. makes it necessary that if Technology is to continue to receive the large appropriations it has in the past, these vacancies must be filled. The advantages accruing to the men who have elected the Course are many and varied, not the least of which is the financial return involved.

For the two years of the Advanced Course, the government pays the student approximately \$110.00 each year in quarterly installments, furnishes the uniform, and gives the student a six weeks enjoyable stay at camp, with fare paid both ways and all expenses paid, and upon his graduation is eligible to receive a Reserve commission.

The great demand for technically trained officers in the more scientific branches of the army was most evident in the recent war. Most of the courses at the Institute afford an excellent preparation for the scientific training of an officer in a technical arm of the service. Accordingly the military training given here is so designed to prepare men for any of the following branches: Coast Artillery, Air Service, Engineers, Signal Corps, Ordnance, and the Chemical Warfare Service.

There is still opportunity for students to enroll in the Advanced Course in any of these units, and the Military Science Department will receive applications all this week. Even though three weeks have passed, it will not be too late for all those who are interested to register. The Professor of Military Science and Tactics will be glad to see students who may want information or advice. The office, Room 3-310, is open daily from 9 to 5 o'clock.

Student Goes To Arctic Circle As Radio Operator

Has Icebergs as Companions—Field Museum Is Sponsor

(Continued from Page 1)

near Sydney in a dense fog (the horn going every minute) on the morning of July first. With skillful piloting, the Radio slipped through the lanes of steamers in Sydney harbor and lowered anchor in front of the wharf at which lumber and provisions were to be taken aboard for the scientific station. "At daybreak on the fifth, we hove up anchor and proceeded out of Sydney harbor, and after clearing the last buoys set our course for Cape Ray, Newfoundland, which we passed in the afternoon and headed for the coast of Labrador."

"My first sight of Labrador," writes the embryo seaman, "was not very impressive. The rocky coast of Port-au-Bay was lined with fishermen's huts, a few fishing schooners at anchor; howling, starving, wolf-like huskies caged in like wild animals, salt-fish drying on all sides of the dirt hovels, and a Grenfell mission house in the center of the village." Another two days of tide-rips and occasional smooth water, found the little boat in the path of huge icebergs, several of which were as high as two hundred feet and covered an area of a hundred thousand square feet. And all the way up the coast, ice-floes and icebergs were the only companions of the intertid crew, while the Bowdoin carrying seven scientists besides McMillan and the motorboat Seeko followed a hundred miles behind as a precautionary measure in case the Radio grounded or hit any bad squalls. Fortunately, the only trouble encountered was rough weather and a slight dissatisfaction among the members of the crew. A week of lonely existence on board the vessel put every one in an irritable mood. This feeling, though, soon disappeared, and returned the last two weeks of the trip homeward.

"We finally dropped anchor at Indian Harbor, Aillik Bay, and after searching for hours among beautiful evergreen covered islands, we found Hopedale in the early evening of the 18th. The island was the prettiest picture of the whole trip, wonderful wooded islands rising out of narrow twisting bays. This was the first Eskimo settlement we encountered, which was founded and maintained by the Moravian missions. They all came out to meet us in their motor boats (there are no longer kayaks in the Labrador) and we were surprised that most of them could speak English. The next day the Ungava arrived, and on the 20th the Bowdoin came in. We left next morning for Nain, our objective, and while looking for Ford's Harbor we got lost in the neighboring islands and were obliged to spend the night in a place called Dark Bight. That day we came across some whales, the small black Grampus, from 20 to 25 feet long, some of whom came right under our bow. At Dark Bight, we picked up an Eskimo pilot, who gave us his services in return for the pas-

sage of the whole village (about 10) to Nain. At noon of the next day, we dropped anchor at Nain. We were the first boat to reach there since last September. The people were disappointed to find that we were not their supply boat. Bowdoin arrived one hour later, with the Seeko."

After cruising around for several days, Captain MacMillan found a good site for the supply station on an inland bay 20 miles from Nain and less than 200 miles from the Arctic Circle. Here the lumber and cargo were discharged, and the supply ship Radio was ready to leave for home after one week. However, the stay at Bowdoin Harbor was extended to six weeks before the Radio set sail for home, owing to the many expeditions that were made in the vicinity to collect natural history specimens for the museum.

(To Be Continued)

ANNOUNCE TECHNIQUE PORTFOLIO SITTINGS

Seniors May Make Appointments In Main Lobby Daily

In an effort to secure better work than heretofore, photographic work for the 1928 *Technique* will be done by the Warren Kay Studio, 304 Boylston St., Boston, it was announced by the Institute's annual Saturday.

For the convenience of Seniors, appointments may be made in the Main Lobby for sittings for the Senior Portfolio photographs, daily from 12 o'clock until 2. Appointments may also be made in the *Technique* office in Walker up to 6 o'clock. Sittings may be arranged for any hour from 9 o'clock until 12, and from 1 o'clock until 3, daily up till December 1.

Athletic captains and managers, and managing boards of publications must have their pictures taken along with the Seniors. Fraternity and groups pictures, however, will be arranged from the year-book's office as in former years.

OFFICIAL NOTICE

Glasses in courses 16-015 and 16-785 will not be held next Friday morning.

FENCING

All freshmen interested in fencing as well as Varsity men are requested to report in North Hall either tonight or Wednesday at 5.

CADET OFFICERS

There will be a smoker for all cadet officers on Wednesday at 7:15 o'clock in the Faculty Dining Room, Walker.

CREW FRESHMEN

Freshmen, sign up for crew in place of P. T. before Oct. 26th in Room 335, Walker.

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Fall And Winter Athletic Schedules

BASKETBALL—VARSITY

Dec. 3—New Bedford	Home
Dec. 10—Brown	Home
Dec. 16—Dartmouth	Home
Jan. 7—Fitchburg	Normal School
Jan. 11—Yale	Away
Jan. 14—Wesleyan	Home
Jan. 17—Northeastern	Home
Feb. 14—Union	Away
Feb. 15—West Point	Away
Feb. 18—Providence College	Home
Feb. 22—Harvard	Away
Feb. 25—Tufts	Away
Mar. 3—New Hampshire	Home
Mar. 7—Boston University	Home

FRESHMAN BASKETBALL

Dec. 3—Open.	
Dec. 10—Charlestown Boys' Club	Away
Dec. 17—Boston University	Away
Jan. 7—Brown	Away
Jan. 14—Open.	
Feb. 11—Open.	
Feb. 18—Dean Academy	Away
Feb. 22—Harvard	Home
Feb. 25—Tufts	Away
Mar. 3—Tilton School	Home

VARSITY SWIMMING

(See box on page 3 of this issue)

FRESHMAN SWIMMING

Jan. 7—Boys' Club of Boston	Away
Jan. 14—Exeter	Away
Feb. 11—Worcester Academy	Away
Feb. 15—Huntington High School	Away
Feb. 18—Malden High School	Away
Feb. 22—Boston University	Away

Feb. 25—Brown	Away
Mar. 2—Cambridge Latin	Away
Mar. 8—Brookline High School	Away
Mar. 17—Newton High School	Away

HOCKEY—VARSITY

Jan. 7—Yale	Away
Jan. 14—New Hampshire	Away
Feb. 4—West Point	Away
Feb. 17—Bates	Away
Feb. 18—Bowdoin	Away
Mar. 17—Brown	Away

VARSITY—SOCCER

Oct. 15—Northeastern	Away
Oct. 22—Worcester	Away
Oct. 26—Bradford	Home
Oct. 20—Clark	Away
Nov. 5—Springfield	Home
Nov. 15—Harvard	Home
Nov. 19—New Hampshire	Away
Nov. 23—Army	Away

WRESTLING—VARSITY

Jan. 20—Tufts	Away
Feb. 11—Brooklyn	Home
Feb. 18—Brown	Home
Feb. 25—Springfield	Home
Feb. 29—Harvard	Away
Mar. 4—Norwich	Away
Mar. 10—Open.	
Mar. 17 and 18—New Englands.	

VARSITY BOXING

Feb. 11—Open.	
Feb. 18—New Hampshire	Away
Feb. 25—Penn State	Away
Mar. 3—Fordham	Away
Mar. 11—New Hampshire	Home
Mar. 15—Intercollegiate	Phila.

CLOTHES

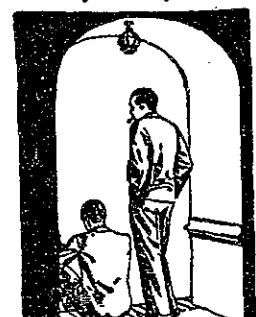
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